



AMENDMENT TRANSMITTAL LETTER			CLIENT-MATTER NO.: 66765-110 (P-UW 4979)	
SERIAL NO: 09/972,834	FILING DATE: 10/4/2001	EXAMINER: J. Fredman	GROUP ART UNIT: 1637 CONFIRMATION NO.: 5445	
INVENTION: THERMOSTABLE POLYMERASES HAVING ALTERED FIDELITY AND METHODS OF IDENTIFYING AND USING SAME				

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Transmitted herewith is a Response to the Communication mailed January 13, 2003, in the above-identified application.

- Small Entity status of this application has been established under 37 CFR 1.27.
- X Petition for Three-Month Extension of Time is enclosed (in duplicate).
- Terminal Disclaimer with fee under 37 C.F.R. 1.20(d) is enclosed.
- X No additional claims fee is required.
- An additional claims fee is required and has been calculated as shown below:

CLAIMS AS AMENDED

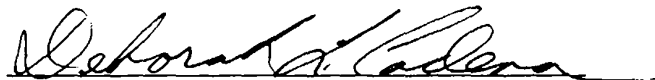
	NUMBER AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		NUMBER OF EXTRA CLAIMS PRESENTED		RATE			FEE	
							SMALL ENTITY	OTHER ENTITY		SMALL ENTITY	OTHER ENTITY
TOTAL CLAIMS	45	-	45	-	0	x	\$9	\$18	=	\$	\$0.00
INDEPENDENT CLAIMS	4	-	4	-	0	x	\$42	\$84	=	\$	\$0.00
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			YES		XX NO		\$140	\$280	=	\$	\$0.00
							TOTAL ADDITIONAL FEE			\$	\$0.00

- * If the "HIGHEST NUMBER PREVIOUSLY PAID FOR" is less than 20, write "20" in this space.
- ** If the "HIGHEST NUMBER PREVIOUSLY PAID FOR" is less than 3, write "3" in this space.
- *** If the difference between the "NUMBER AFTER AMENDMENT" and the "HIGHEST NUMBER PREVIOUSLY PAID FOR" is less than 0, write "0" in the space.

Inventors: Loeb et al.
Serial No.: 09/972,834
Filed: October 4, 2001
Page 2

- X Please charge my Deposit Account No. 502624 the amount of \$930.00, which covers the fee for a three-month extension of time. A duplicate copy of this sheet is enclosed.
- X The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 502624. A duplicate copy of this sheet is enclosed.
- X The Commissioner is hereby authorized to charge to Deposit Account No. 502624 any fees under 37 CFR 1.17 which may be required under 37 CFR 1.136(a)(3) for an extension of time in any concurrent or future reply requiring a petition for extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Deborah L. Cadena
Registration No. 44,048
McDERMOTT, WILL & EMERY
4370 La Jolla Village Drive
7th Floor
San Diego, California 92122
858-535-9001



PATENT

Client-Matter No.: 66765-110 (P-UW 4978)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Loeb et al.

Serial No: 09/972,834

Filed: October 4, 2001

For: THERMOSTABLE POLYMERASES
HAVING ALTERED FIDELITY AND
METHODS OF IDENTIFYING AND
USING SAME

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

) Confirmation No.: 5445
) Group Art Unit: 1637
) Examiner: J. Fredman
)
) CERTIFICATE OF MAILING BY "EXPRESS MAIL"
) "EXPRESS MAIL" MAILING LABEL NUMBER: EV347546335US
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) DATE OF DEPOSIT: May 13, 2003

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CHRISTINE M. GRACE

(TYPED OR PRINTED NAME OF PERSON MAILING PAPER OR FEE)

Christine M. Grace
(SIGNATURE OF PERSON MAILING PAPER OR FEE)

RESPONSE TO COMMUNICATION

Responsive to the Communication mailed
January 13, 2003, consideration of the following remarks is
respectfully requested.

The Communication indicates that the previously filed
response to the outstanding Restriction Requirement was not fully
responsive because no species election was made. It was pointed
out in the previous response filed December 4, 2002, that new
claims 51-95 recite polymerase mutants issued in parent
application serial No. 08/978,806, now U.S. Patent No. 6,395,524.
In light of the previous allowance of the polymerase mutants
recited in the presently claimed compositions, it is respectfully
submitted that examination of the currently elected species as
well as additional species would not be an undue burden on the
Examiner.

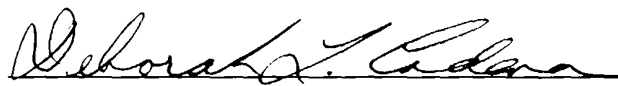
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Page 2

Applicants elect the polymerase species Arg660Lys. The claims readable on the elected species are claims 51-58 and 67.

It is respectfully submitted that the response filed herewith complies with the requirement set forth in the Communication mailed January 13, 2003, and is fully responsive to the species election requirement. The Examiner is invited to call the undersigned agent or Cathryn Campbell if there are any questions.

Respectfully submitted,

May 13, 2003
Date


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